



10/058291

Applicant 03/22/04 H

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Group 1636 / AKHAYAN

Title of Invention	Recombinational cloning using engineered recombination sites
Application Number: 10/058291	
Confirmation Number: 3302	
First Named Applicant: James Hartley	
Attorney Docket Number: 0942.2850001	
Search string: (4683195 or 4683202 or 4965188 or 5093257 or 5102797 or 5159062 or 5334375 or 5334575 or 5378618 or 5605793 or 5650557 or 5728551 or 5801030 or 5814300 or 5837458 or 5929307 or 5962255 or 5981177 or 6080576 or 6262341 or 6271436 or 6277608 or 6361972 or 6365377 or 6410266 or 6410317 or 6436707 or 5348886 or 20030027337),pn.	

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US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
M	1	4683195	1987-07-28	Mullis et al.			
	2	4683202	1987-07-28	Mullis			
	3	4965188	1990-10-23	Mullis et al.			
	4	5093257	1992-03-03	Gray, G.L.			
	5	5102797	1992-04-07	Tucker et al.			
	6	5159062	1992-10-27	Knapp et al.			
	7	5334375	1994-08-02	Nabi et al.			
	8	5334575	1994-08-02	Noonan et al.			
	9	5378618	1995-01-03	Sternberg et al.			
	10	5605793	1997-02-25	Stemmer, W.P.C.			
	11	5650557	1997-07-22	Hannah et al.			
	12	5728551	1998-03-17	Devine et al.			
	13	5801030	1998-09-01	McVey et al.			
M	14	5814300	1998-09-29	Scott et al.			

APP ID-10058291

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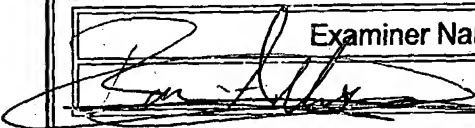
15	5837458	1998-11-17	Minshull et al.	
16	5929307	1999-07-27	Hodges et al.	
17	5962255	1999-10-05	Griffiths et al.	
18	5981177	1999-11-09	Demirjian et al.	
19	6080576	2000-06-27	Zambrowicz et al.	
20	6262341	2001-07-17	Baszcynski et al.	B1
21	6271436	2001-08-07	Piedrahita et al.	B1
22	6277608	2001-08-21	Hartley et al.	B1
23	6361972	2002-03-26	Harrington et al.	
24	6365377	2002-04-02	Patten et al.	B1
25	6410266	2002-06-25	Harrington et al.	
26	6410317	2002-06-25	Farmer, A.F.	B1
27	6436707	2002-08-20	Zambrowicz et al.	
28	5348886	1994-09-20	Lee et al.	

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
15	1	20030027337	2003-02-06	Droge et al.			

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FORM PTO-1449

SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.2850001/RWE/BJD/JKMAPPLICATION NO.
10/058APPLICANT
Hartley et al.FILING DATE
January 30, 2002GROUP
1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
MS	AN5	EP 0 220 009	04/29/1987	Europe			Yes No
	AO5	WO 90/11375	10/04/1990	WIPO			Yes No
PS	AP5	EP 0 427 074	05/15/1991	Europe			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PS	AK	22	Akagi, K., et al., "Cre-mediated somatic site-specific recombination in mice," Nucl. Acids Res. 25:1781-1788, Oxford University Press (1997).
	AM	72	Aladjem, M.I., et al., "Positive Selection of FLP-Mediated Unequal Sister Chromatid Exchange Products in Mammalian Cells," Mol. Cell. Biol. 17:857-861, American Society for Microbiology (1997).
	AN	72	Angelastro, J.M., et al., "Identification of diverse nerve growth factor-regulated genes by serial analysis of gene expression (SAGE) profiling," Proc. Natl. Acad. Sci. USA 97:10424-10429, National Academy of Sciences of the USA (September 2000).

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FORM PTO-1449

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PS	AL6	WO 91/09957	07/11/1991	WIPO			Yes No
	AME	92/15694	09/17/1992	WIPO			Yes No
	ANC	WO 92/22650	12/23/1992	WIPO			Yes No
	AOC	EP 0 542 466	05/19/1993	Europe			Yes No
PS	AP6	WO 94/03624	02/17/1994	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AS	AM	21	Angrand, P.O., et al., "Inducible expression based on regulated recombination: a single vector strategy for stable expression in cultured cells," Nucl. Acids Res. 26:3263-3269, Oxford University Press (1998).
	AS	22	Ayres, E.K., et al., "Precise Deletions in Large Bacterial Genomes by Vector-mediated Excision (VEX). The trfA Gene of Promiscuous Plasmid RK2 is Essential for Replication in Several Gram-negative Hosts," J. Mol. Biol. 230:174-185, Academic Press (1993).
AS	AM	21	Backman, K., et al., "Use of Synchronous Site-Specific Recombination In Vivo to Regulate Gene Expression," Bio/Technology 2:1045-1049, Nature Publishing Company (1984).

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
ls	AL7	WO 94/18333	08/18/1994	WIPO			Yes No
	AM7	WO 95/04393	02/15/1996	WIPO			Yes No
	AN7	WO 95/30498	10/03/1996	WIPO			Yes No
	AO7	WO 95/40724	12/19/1996	WIPO			Yes No
ls	AP7	WO 99/55851	11/04/1999	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

ls	AR	7d	Bai, C., et al., "SKP1 Connects Cell Cycle Regulators to the Ubiquitin Proteolysis Machinery through a Novel Motif, the F-Box," Cell 86:263-274, Cell Press (1996).
	AS	7a	Bernard, P. et al., "The F Plasmid CcdB Protein Induces Efficient ATP-dependent DNA Cleavage by Gyrase," J. Mol. Biol. 234:534-541, Academic Press (1993).
ls	AT	7a	Bernard, P., "Positive Selection of Recombinant DNA by CcdB," BioTechniques 21:320-323, Eaton Publishing Company (1996).

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FORM PTO-1449 <u>SECOND SUPPLEMENTAL</u> <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0942.2850001/RWE/BJD/JKM	APPLICATION NO. 10/058,291
	APPLICANT Hartley et al.	
	FILING DATE January 30, 2002	GROUP 1636

U.S. PATENT DOCUMENTS							
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
es	AL6	WO 00/60091	10/12/2000	WIPO			Yes No
1	AM8	WO 01/05961	01/25/2001	WIPO			Yes No
	AN8	WO 01/07572	02/01/2001	WIPO			Yes No
	AO8	WO 01/11058	02/15/2001	WIPO			Yes No
rs	APB	WO 01/62892	08/30/2001	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
rs	AP	75	Boshart, M., et al., "A Very Strong Enhancer is Located Upstream of an Immediate Early Gene of Human Cytomegalovirus," Cell 41:521-530, The MIT Press (1985).				
1	AB	75	Bouhassira, E.E., et al., "Transcriptional Behavior of LCR Enhancer Elements Integrated at the Same Chromosomal Locus by Recombinase-Mediated Cassette Exchange," Blood 90:3332-3344, The American Society of Hematology (1997).				
rs	AC	75	Burioni, R., et al., "An improved phage display vector for antibody repertoire cloning by construction of combinatorial libraries," Res. Virol. 148:161-164, Elsevier (1997).				

EXAMINER 	DATE CONSIDERED 03/08/04
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FORM PTO-1449	ATTY. DOCKET NO. 0942.2850001/RWE/BJD/JKM	APPLICATION NO. 10/058,444
<u>SECOND SUPPLEMENTAL</u> <u>INFORMATION DISCLOSURE STATEMENT</u>	APPLICANT Hartley et al.	FILING DATE January 30, 2002
	GROUP 1636	

U.S. PATENT DOCUMENTS							
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W	AL9	WO 02/05294	01/17/2002	WIPO			Yes
							No
	AM						Yes
							No
	AO						Yes
							No
	AP						Yes
							No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
As	AR	26	Capone, J.P., et al., "Introduction of UAG, UAA, and UGA Nonsense Mutations at a Specific Site in the <i>Escherichia coli</i> Chloramphenicol Acetyltransferase Gene: Use in Measurement of Amber, Ochre, and Opal Suppression in Mammalian Cells," <i>Mol. Cell. Biol.</i> 6:3059-3067, American Society for Microbiology (1986).
7	AS	25	Chanock, R.M., et al., "Human Monoclonal Antibody Fab Fragments Cloned from Combinatorial Libraries: Potential Usefulness in Prevention and/or Treatment of Major Human Viral Diseases," <i>Infect. Agents Dis.</i> 2:118-131, Raven Press (1993).
04			Chong, S., et al., "Single-column purification of free recombinant proteins using a self-cleavable affinity tag derived from a protein splicing element," <i>Gene</i> 192:271-281, Elsevier Science B.V. (1997).

EXAMINER	DATE CONSIDERED 03/08/04
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ATTY. DOCKET NO.
0942.285000I/RWE/BJD/JKM

APPLICATION NO.
10/058,492

APPLICANT
Hartley et al.

FILING DATE
January 30, 2002

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	22	Chouluka, A., et al., "Transfer of Single Gene-Containing Long Terminal Repeats into the Genome of Mammalian Cells by a Retroviral Vector Carrying the cre Gene and the loxP Site." J. Virol. 70:1792-1798, American Society for Microbiology (1996).
AS	22	Chuang, C.-F., and Meyerowitz, E.M., "Specific and heritable genetic interference by double-stranded RNA in <i>Arabidopsis thaliana</i> ," Proc. Natl. Acad. Sci. USA 97:4985-4990, National Academy of Sciences (2000).
AT	22	Cigan, A.M., et al., "Mutational Analysis of the <i>HIS4</i> Translational Initiator Region in <i>Saccharomyces cerevisiae</i> ," Mol. Cell. Biol. 8:2964-2975, American Society for Microbiology (1988).

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FORM PTO-1449 <u>SECOND SUPPLEMENTAL</u> <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0942.285000I/RWE/BJD/JKM	APPLICATION NO. 10/058,294
	APPLICANT Hartley et al.	
	FILING DATE January 30, 2002	GROUP 1636

U.S. PATENT DOCUMENTS

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>Pr</i>	AR	78	Curcio, M.J., and Garfinkel, D.J., "Single-step selection for Tyl element retrotransposition," Proc. Natl. Acad. Sci. USA 88:936-940, National Academy of Sciences (1991).
<i>1</i>	AS	78	Datson, N.A., et al., "MicroSAGE: a modified procedure for serial analysis of gene expression in limited amounts of tissue," Nucl. Acids Res. 27:1300-1307, Oxford University Press (1999).
<i>As</i>	AT	72	Davis, C.R., et al., "Analysis of the Mechanisms of Action of the Saccharomyces cerevisiae Dominant Lethal cdc42 ^{G12V} and Dominant Negative cdc42 ^{D118A} Mutations," J. Biol. Chem. 273:849-858, The American Society for Biochemistry and Molecular Biology (1998).

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	APPLICANT Hartley et al.	
	FILING DATE January 30, 2002	GROUP 1636

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AF	29	Deng, M.-D., and Coleman, J.R., "Ethanol Synthesis by Genetic Engineering in Cyanobacteria," Appl. Environ. Microbiol. 65:523-528, American Society for Microbiology (1999).
AG	29	Derbyshire, V., and Belfort, M., "Lightning strikes twice: Intron-intein coincidence," Proc. Natl. Acad. Sci. USA 95:1356-1357, National Academy of Sciences (1998).
AT	12	Dijkema, R., et al., "Cloning and expression of the chromosomal immune interferon gene of the rat." EMBO J. 4:761-767, IRL Press Limited (1985).

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	AO						Yes No
	AP						Yes No

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AS	AR	82	Esposito, D., and Scoocca, J.J., "The integrase family of tyrosine recombinases: evolution of a conserved active site domain," Nucl. Acids Res. 25:3605-3614, Oxford University Press (1997).
1	AG	80	Flanagan, P.M., and Fennwald, M.A., "Analysis of Inhibitors of the Site-specific Recombination Reaction Mediated by Tn3 Resolvase," J. Mol. Biol. 206:295-304, Academic Press (1989).
AS	AT	89	Flores, A., et al., "A protein-protein interaction map of yeast RNA polymerase III," Proc. Natl. Acad. Sci. USA 96:7815-7820, National Academy of Sciences (July 1999).

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0942.285000I/RWE/BJD/JKMAPPLICATION NO.
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

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	AS	31	Francia, M.V., et al., "The Int1 Integrone Integrase Preferentially Binds Single-Stranded DNA of the attC Site," J. Bacteriol. 181:6844-6849, American Society for Microbiology (1999).
	AS	31	Gateway™ Cloning Technology, Version 1, GIBCO BRL, Life Technologies Instruction Manual, [retrievable from <http://www.lifetech.com/gateway>], pp. 1-60 (1999).
	AT	22	Gay, P., et al., "Cloning Structural Gene sacB, Which Codes for Exoenzyme Levansucrase of Bacillus subtilis: Expression of the Gene in Escherichia coli," J. Bacteriol. 153:1424-1431, American Society for Microbiology (1983).

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	AN						Yes No
	AO						Yes No
	AP						Yes No

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As	AR	22	Gay, P., et al., "Positive Selection Procedure for Entrapment of Insertion Sequence Elements in Gram-Negative Bacteria," J. Bacteriol. 164:918-921, American Society for Microbiology (1985).
1	AS	22	Gorman, C.M., et al. "The Rous sarcoma virus long terminal repeat is a strong promoter when introduced into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA 79:6777-6781, National Academy of Sciences (1982).
ps	AT	22	Grindley, N.D.F., and Kelley, W.S., "Effects of Different Alleles of the E. coli K12 polA Gene on the Replication of Non-transferring Plasmids," Molec. Gen. Genet. 143:311-318, Springer Verlag (1976).

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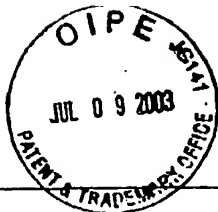
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	83	Gronostajski, R.M., and Sadowski, P.D., "The FLP Protein of the 2-micron Plasmid of Yeast. Inter- and Intramolecular Reactions," J. Biol. Chem. 260:12328-12335, The American Society of Biological Chemists (1985).				
	AS	83	Haffter, P., and Bickle, T.A., "Enhancer-independent mutants of the Cln recombinase have a relaxed topological specificity," EMBO J. 7:3991-3996, IRL Press (1988).				
	AT	81	Hancock, R.E.W., and Scott, M.G., "The role of antimicrobial peptides in animal defenses," Proc. Natl. Acad. Sci. USA 97:8856-8861, National Academy of Sciences (August 2000).				

EXAMINER 	DATE CONSIDERED 05/08/04
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FORM PTO-1449
SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.2850001/RWE/BJD/JKM

APPLICATION NO.
10/058,291

APPLICANT
Hartley et al.

FILING DATE
January 30, 2002

GROUP
1636

U.S. PATENT DOCUMENTS

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	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	34	Hehl, R., et al., "Structural analysis of Tam3, a transposable element from <i>Antirrhinum majus</i> , reveals homologies to the Ac element from maize," <i>Plant Molec. Biol.</i> 16:369-371, Kluwer Academic Publishers (1991).
AS	84	Henikoff, S., "Unidirectional digestion with exonuclease III creates targeted breakpoints for DNA sequencing," <i>Gene</i> 28:351-359, Elsevier Science (1984).
AT	84	Hochuli, E., et al., "Genetic Approach to Facilitate Purification of Recombinant Proteins with a Novel Metal Chelate Adsorbent," <i>Bio/Technology</i> 6:1322-1325, Nature Publishing Company (1988).

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FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.2850001/RWE/BJD/JKM	APPLICATION NO. 10/058,291
	APPLICANT Hartley et al.	
	FILING DATE January 30, 2002	GROUP 1636

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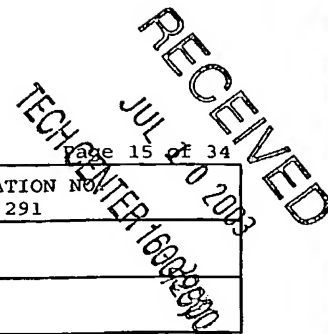
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PS	AR	85	Hoess, R.H., and Abremski, K., "Interaction of the bacteriophage P1 recombinase Cre with the recombining site loxP," Proc. Natl. Acad. Sci. USA 81:1026-1029, National Academy of Sciences (1984).
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AS	AR	86	Kealey, J.T., et al., "Production of polyketide natural product in nonpolyketide-producing prokaryotic and eukaryotic hosts," <i>Proc. Natl. Acad. Sci. USA</i> 95:505-509, National Academy of Sciences (1998).
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AS	AT	86	Kim, D.W., "Use of the human elongation factor 1 α promoter as a versatile and efficient expression system," <i>Gene</i> 91:217-223, Elsevier Science B.V. (1990).

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	APPLICANT Hartley et al.	
	FILING DATE January 30, 2002	GROUP 1636

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

Rs	AR	37	Kolb, A.F., and Siddell, S.G., "Genomic targeting with an MBP-Cre fusion protein," <i>Gene</i> 183:53-60, Elsevier Science B.V. (1996).
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Pls	AT	52	Kozak, M., "Comparison of Initiation of Protein Synthesis in Prokaryotes, Eucaryotes, and Organelles," <i>Microbiol. Rev.</i> 47:1-45, American Society for Microbiology (1983).

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	APPLICANT Hartley et al.	
	FILING DATE January 30, 2002	GROUP 1636

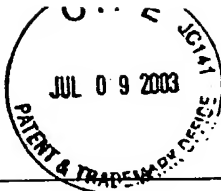
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.) -			
Ps	AR	88	Krautwald, S., and Baccarini, M., "Bacterially Expressed Murine CSF-1 Possesses Agonistic Activity in its Monomeric Form," <i>Biochem. Biophys. Res. Commun.</i> 192: 720-727, Academic Press (1993).
1	AS	88	Leslie, N.R., and Sherratt, D.J., "Site-specific recombination in the replication terminus region of <i>Escherichia coli</i> : functional replacement of dif," <i>EMBO J.</i> 14:1561-1570, Oxford University Press (April 1995).
Ps	AT	88	Leung, L.L.K., "Application of Combinatorial Libraries and Protein Engineering to the Discovery of Novel Anti-Thrombotic Drugs," <i>Thromb. Haemost.</i> 74:373-376, F.K. Schattauer Verlagsgesellschaft mbH (July 1995).

EXAMINER 	DATE CONSIDERED 03/08/04
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SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000I/RWE/BJD/JKM

APPLICATION NO.
10/058,291

APPLICANT
Hartley et al.

FILING DATE
January 30, 2002

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	89	Li, Z.-W., et al., "Generation of mice with a 200-kb amyloid precursor protein gene deletion by Cre recombinase-mediated site-specific recombination in embryonic stem cells," <i>Proc. Natl. Acad. Sci. USA</i> 93:6158-6162, National Academy of Sciences (1996).
	AS	89	Lu, F., and Churchward, G., "Conjugative transposition: Tn916 integrase contains two independent DNA binding domains that recognize different DNA sequences," <i>EMBO J.</i> 13:1541-1548, Oxford University Press (April 1994).
	AT	82	Madison, L.L., and Huisman, G.W., "Metabolic Engineering of Poly(3-Hydroxyalkanoates): From DNA to Plastic," <i>Microbiol. Mol. Biol. Rev.</i> 63:21-53, American Society for Microbiology (1999).

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	APPLICANT Hartley et al.	
	FILING DATE January 30, 2002	GROUP 1636

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AL	20	Maemura, K., et al., "Generation of a Dominant-negative Mutant of Endothelial PAS Domain Protein 1 by Deletion of a Potent C-terminal Transactivation Domain," J. Biol. Chem. 274:31565-31570, The American Society for Biochemistry and Molecular Biology (1999).
	AM	20	Mahillon, J., et al., "Subdivision of the Escherichia coli K-12 genome for sequencing: manipulation and DNA sequence of transposable elements introducing unique restriction sites," Gene 223:47-54, Elsevier Science B.V. (1998).
	AN	20	Malynn, B.A., et al., "The scid Defect Affects the Final Step of the Immunoglobulin VDJ Recombinase Mechanism," Cell 54:453-460, Cell Press (1988).

EXAMINER	DATE CONSIDERED 03/08/04
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	APPLICANT Hartley et al.	
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AS	AR	91	Maniatis, T., et al., "Regulation of Inducible and Tissue-Specific Gene Expression," <i>Science</i> 236:1237-1245, American Association for the Advancement of Science (1987).
AS	AS	91	Mendiola, M.V., and de la Cruz, F., "Specificity of insertion of IS91, an insertion sequence present in α -haemolysin plasmids of <i>Escherichia coli</i> ," <i>Mol. Microbiol.</i> 3:979-984, Blackwell Scientific Publications (1989).
AT	AT	91	Mercier, J., et al., "Structural and Functional Characterization of <i>tnpI</i> , a Recombinase Locus in Tn21 and Related β -Lactamase Transposons," <i>J. Bacteriol.</i> 172:3745-3757, American Society for Microbiology (1990).

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ATTY. DOCKET NO.
0942.285000I/RWE/BJD/JKM

APPLICATION NO.
10/058,291

APPLICANT
Hartley et al.

FILING DATE
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GROUP
1636

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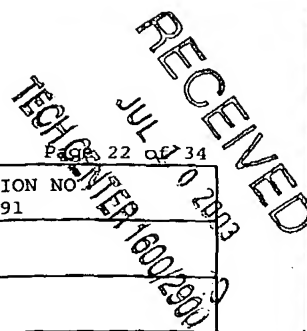
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AR	92	Metcalf, W.W., et al., "Conditionally Replicative and Conjugative Plasmids Carrying lacZ α for Cloning, Mutagenesis, and Allele Replacement in Bacteria," Plasmid 35:1-13, Academic Press (1996).
AS	92	Mette, M.F., et al., "Transcriptional silencing and promoter methylation triggered by double-stranded RNA," EMBO J. 19:5194-5201, Oxford University Press (2000).
AT	92	Meyer-Leon, L., et al., "Purification of the FLP site-specific recombinase by affinity chromatography and re-examination of basic properties of the system," Nucl. Acids Res. 15:6469-6488, IRL Press (1987).

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FORM PTO-1449

**SECOND SUPPLEMENTAL
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0942.285000I/RWE/BJD/JKMAPPLICATION NO.
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1636**U.S. PATENT DOCUMENTS**

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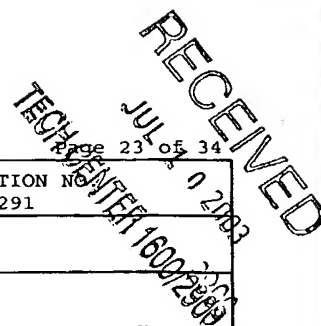
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AR	92	Mizushima, S., and Nagata, S., "pEF-BOS, a powerful mammalian expression vector," Nucl. Acids Res. 18:5322, Oxford University Press (1990).
AS	92	Nagy, A., "Cre Recombinase: The Universal Reagent for Genome Tailoring," Genesis 26:99-109, Wiley-Liss (2000).
AT	92	O'Gara, J.P., et al., "Identification and Molecular Genetic Analysis of Multiple Loci Contributing to High-Level Tellurite Resistance in Rhodobacter sphaeroides 2.4.1," Appl. Environ. Microbiol. 63:4713-4720, American Society for Microbiology (1997).

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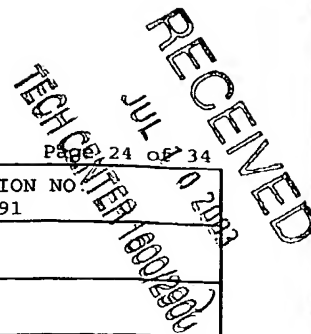
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ms	AR	94	Odell, J.T., et al., "Seed-Specific Gene Activation Mediated by the Cre/lox Site-Specific Recombination System," <i>Plant Physiol.</i> 106:447-458, American Society of Plant Physiologists (October 1994).
	AS	94	Pal, S.K., et al., "Pl Plasmid Replication. Role of Initiator Titration in Copy Number Control," <i>J. Mol. Biol.</i> 192:275-285, Academic Press (1986).
ps	AT	94	Panke, S., et al., "Engineering of Quasi-Natural <i>Pseudomonas putida</i> Strains for Toluene Metabolism through an ortho-Cleavage Degradation Pathway," <i>Appl. Environ. Microbiol.</i> 64:748-751, American Society for Microbiology (1998).

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AR	25	Patel, P.H., and Loeb, L.A., "DNA polymerase active site is highly mutable: Evolutionary consequences," <i>Proc. Natl. Acad. Sci. USA</i> 97:5095-5100, National Academy of Sciences (2000).
AS	25	Perler, F.B., "InBase, the New England Biolabs Intein Database," <i>Nucl. Acids Res.</i> 27:346-347, Oxford University Press (1999).
AT	25	Persson, M.A.A., "Combinatorial Libraries," <i>Intern. Rev. Immunol.</i> 10:153-163, Harwood Academic Publishers GmbH (1993).

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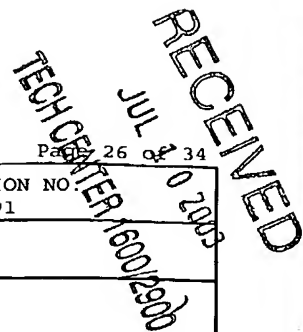
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	AR	96	Phillips-Jones, M.K., et al., "Context Effects on Misreading and Suppression at UAG Codons in Human Cells," Mol. Cell. Biol. 15:6593-6600, American Society for Microbiology (December 1995).
	AS	96	Powell, J., "Enhanced concatemer cloning-a modification to the SAGE (Serial Analysis of Gene Expression) technique," Nucl. Acids Res. 26:3445-3446, Oxford University Press (1998).
	AT	96	Prieto, M.A., et al., "Molecular Characterization of the 4-Hydroxyphenylacetate Catabolic Pathway of Escherichia coli W: Engineering a Mobile Aromatic Degradative Cluster," J. Bacteriol. 178:111-120, American Society for Microbiology (1996).

EXAMINER 	DATE CONSIDERED 02/06/04
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	



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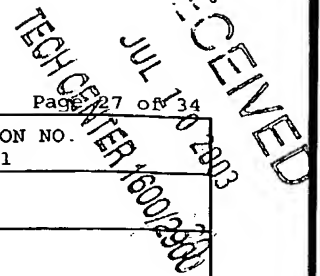
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

As	AR	97	Qin, M., et al., "Site-specific cleavage of chromosomes in vitro through Cre-lox recombination," Nucl. Acids Res. 23:1923-1927, Oxford University Press (June 1995).
I	AS	97	Qin, M., et al., "Cre recombinase-mediated site-specific recombination between plant chromosomes," Proc. Natl. Acad. Sci. USA 91:1706-1710, National Academy of Sciences (March 1994).
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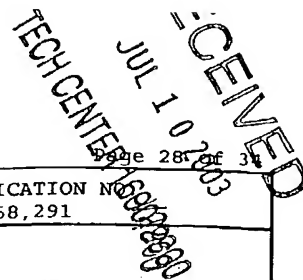
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AS	AR	98	Sandhu, J.S., "Protein Engineering of Antibodies," Crit. Rev. Biotechnol. 12:437-462, CRC Press (1992).
AS	AS	98	Sato, T., et al., "The <i>cisA</i> Cistron of <i>Bacillus subtilis</i> Sporulation Gene <i>spoIVC</i> Encodes a Protein Homologous to a Site-Specific Recombinase," J. Bacteriol. 172:1092-1098, American Society for Microbiology (1990).
AS	AT	98	Sauer, B., et al., "Construction of Isogenic Cell Lines Expressing Human and Rat Angiotensin II AT ₁ Receptors by Cre-Mediated Site-Specific Recombination," Methods: A Companion to Methods in Enzymology 4:143-149, Academic Press (1992).

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

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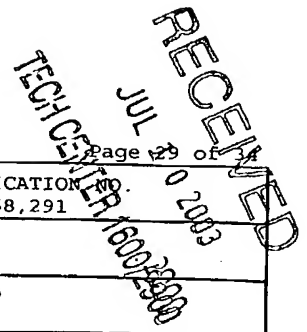
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	AR	99	Schild, D., et al., "Cloning of three human multifunction de novo purine biosynthetic genes by functional complementation of yeast mutations," <i>Proc. Natl. Acad. Sci. USA</i> 87:2916-2920, National Academy of Sciences (1990).
	AS	99	Schnepf, E., et al., "Bacillus thuringiensis and Its Pesticidal Crystal Proteins," <i>Microbiol. Mol. Biol. Rev.</i> 62:775-806, American Society for Microbiology (1998).
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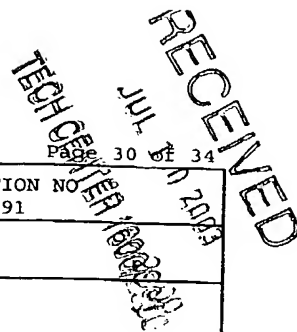
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AK	100	Shim, J., et al., "Distinct and Redundant Functions of μ 1 Medium Chains of the AP-1 Clathrin-Associated Protein Complex in the Nematode <i>Caenorhabditis elegans</i> ," Mol. Biol. Cell 11:2743-2756, The American Society for Cell Biology (2000).				
	AS	100	Skraly, F.A., et al., "Construction and Characterization of a 1,3-Propanediol Operon," Appl. Environ. Microbiol. 64:98-105, American Society for Microbiology (1998).				
	AT	100	Spinella, D.G., et al., "Tandem arrayed ligation of expressed sequence tags (TALEST): a new method for generating global gene expression profiles," Nucl. Acids Res. 27(e22):i-viii, Oxford University Press (1999).				

EXAMINER	DATE CONSIDERED 03/08/04
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AR	101	Stark, W.M., et al., "Site-Specific Recombination by Tn3 Resolvase: Topological Changes in the Forward and Reverse Reactions," Cell 58:779-790, Cell Press (1989).
AS	101	Stassi, D.L., et al., "Ethyl-substituted erythromycin derivatives produced by directed metabolic engineering," Proc. Natl. Acad. Sci. USA 95:7305-7309, National Academy of Sciences (1998).
AT	101	Stellwagen, A.E., and Craig, N.L., "Mobile DNA elements: controlling transposition with ATP-dependent molecular switches," Trends Biochem. Sci. 23:486-490, Elsevier Science (1998).

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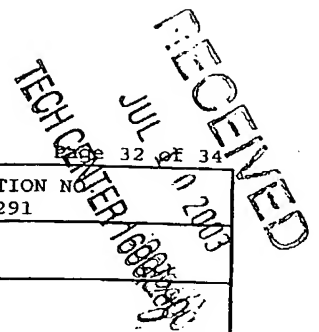
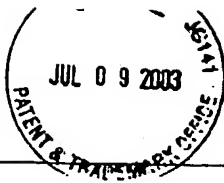
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	AR	<u>102</u>	Stenzel, T.T., et al., "The Integration Host Factor of <i>Escherichia coli</i> Binds to Bent DNA at the Origin of Replication of the Plasmid pSC101," Cell 49:709-717, Cell Press (1987).
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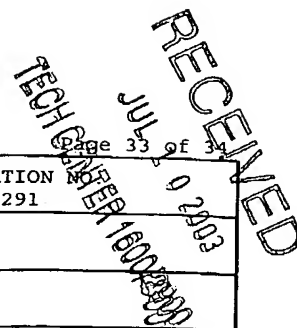
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RA	AR	103	van den Berg, A., et al., "Serial analysis of gene expression: rapid RT-PCR analysis of unknown SAGE tags," Nucl. Acids Res. 27(e17):i-iii, Oxford University Press (1999).
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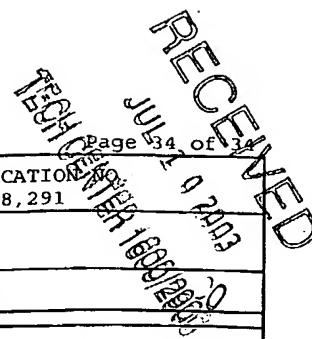
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ns	AR	104	Yoon, H., et al., "SSL1, a suppressor of a HIS4 5'-UTR stem-loop mutation, is essential for translation initiation and affects UV resistance in yeast," <i>Genes Dev.</i> 6:2463-2477, Cold Spring Harbor Laboratory Press (1992).
1	AS	104	Bauer, C.E. et al., "Extent of Sequence Homology Required for Bacteriophage Lambda Site-specific Recombination," <i>J. Mol. Biol.</i> 181:187-197, Academic Press Inc. (1985).
as	AT	104	Cherepanov, P.P., and Wackernagel, W., "Gene disruption in <i>Escherichia coli</i> : Tc ^R and Km ^R cassettes with the option of Flp-catalyzed excision of the antibiotic-resistance determinant," <i>Gene</i> 158:9-14, Elsevier Science B.V. (1995).

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RS	AR	105	Collis, C.M. and Hall, R.M., "Expression of Antibiotic Resistance Genes in the Integrated Cassettes of Integrins," <i>Antimicrobial Agents and Chemotherapy</i> 39:155-162 (1995).
I	AS	105	Scott, S.D., and Marples, B., "Comment on the use of the cre/loxP recombinase system for gene therapy vectors," <i>Gene Therapy</i> 7:1706, Macmillan Publishers Ltd. (2000).
RS	AT	105	

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	AR	105	
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PS	AT	105	Barnes, G., and Rine, J., "Regulated expression of endonuclease EcoRI in <i>Saccharomyces cerevisiae</i> : Nuclear entry and biological consequences," <i>Proc. Natl. Acad. Sci. USA</i> 82: 1354-1358, National Academy of Sciences (1985).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

18	AR	106	Brent, R., and Plashne, M., "A bacterial repressor protein or a yeast transcriptional terminator can block upstream activation of a yeast gene," <i>Nature</i> 312: 612-615, Macmillan Journals Ltd. (1984).
1	AS	106	Cormack, B., "Directed Mutagenesis Using the Polymerase Chain Reaction," in <i>Current Protocols in Molecular Biology</i> , Ausubel, F.M., <i>et al.</i> , eds., John Wiley & Sons, Inc., New York, NY, pp. 8.5.1-8.5.10 (1997).
1A	AT	106	Enquist, L.W., and Weisberg, R.A., "The Red Plaque Test: A Rapid Method for Identification of Excision Defective Variants of Bacteriophage Lambda," <i>Virology</i> 72: 147-153, Academic Press, Inc. (1976).

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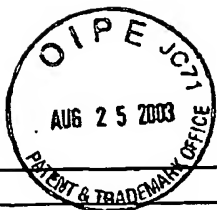
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PS	AR	107	Feinbaum, R., "Vectors Derived from Plasmids," in <i>Current Protocols in Molecular Biology</i> , Ausubel, F. M., <i>et al.</i> , eds., John Wiley & Sons, Inc., New York, NY, pp.1.5.1-1.5.17 (1998).
	AS	107	Iino, T., and Kutsukake, K., "Trans-acting Genes of Bacteriophages P1 and Mu Mediate Inversion of a Specific DNA Segment Involved in Flagellar Phase Variation of <i>Salmonella</i> ," <i>Cold Spring Harbor Symposia on Quantitative Biology</i> 45: 11-16, Cold Spring Harbor Laboratory (1981).
PS	AT	107	Johnson, R.C., <i>et al.</i> , "Isolation of the gene encoding the Hin recombinational enhancer binding protein," <i>Proc. Natl. Acad. Sci. USA</i> 85:3484-3488, National Academy of Sciences (1998).

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AR	108	Klippel, A. <i>et al.</i> , "Isolation and characterization of unusual <i>gin</i> mutants," <i>The EMBO Journal</i> 7: 3983-3989, IRL Press Inc. (1988).
AS	108	Koch, C., <i>et al.</i> , " <i>Escherichia coli</i> host factor for site-specific DNA inversion: Cloning and characterization of the <i>fis</i> gene," <i>Proc. Natl. Acad. Sci. USA</i> 85:4237-4241, National Academy of Sciences (1988).
AT	108	Langeveld, S.A. <i>et al.</i> , "Expression of an <i>Escherichia coli phr</i> gene in the yeast <i>Saccharomyces cerevisiae</i> ," <i>Mol. Gen. Genet.</i> 199: 396-400, Springer-Verlag (1985).

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AS	AR	109	Miller, H.I. <i>et al.</i> , "int-h: an int Mutation of Phage λ That Enhances Site-Specific Recombination," <i>Cell</i> 20: 721-729, MIT (1980).
AS	AS	109	Okayama, H., and Berg, P., "Bacteriophage Lambda Vector for Transducing a cDNA Clone Library into Mammalian Cells," <i>Molecular and Cellular Biology</i> 5: 1136-1142, American Society for Microbiology (1985).
AS	AT	109	Osuna, R., <i>et al.</i> , "Identification of two functional regions in Fis: the N-terminus is required to promote Hin-mediated DNA inversion by not I excision," <i>EMBO J.</i> 10:1593-1603, Oxford University Press (1991).

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FORM PTO-1449

THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.2850001/RWE/BJD/JKMAPPLICATION NO.
10/058,291APPLICANT
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	AP						Yes No

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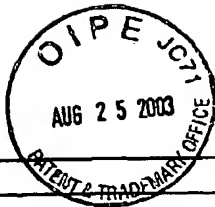
	AR	110	Sambrook, J., <i>et al.</i> , <i>Molecular Cloning: A Laboratory Manual</i> , 2nd ed., Cold Spring Harbor Laboratory Press, New York, NY, pp. 16.6-16.8, (1989).
	AS	110	Sauer, B., "Expression and Functioning in Yeast of a Bacterial Site Specific Recombination System," <i>J. Cell. Bio. Chem. Supp.</i> 10(b): 242 (1340), Alan R. Liss, Inc. (1986).
	AT	110	Sauer, B., and Henderson, N., "Site-specific DNA recombination in mammalian cells by the Cre recombinase of bacteriophage P1," <i>Proc. Natl. Acad. Sci. USA</i> 85: 5166-5170, National Academy of Sciences (1988).

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	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	111	Stryer, L., "The DNA Template Contains Stop Signals for transcription," in <i>Biochemistry</i> , 2nd ed., W.H. Freeman and Co., New York, NY, p. 610 (1981).
AS	111	Vetter, D. <i>et al.</i> , "Site-specific recombination of yeast 2- μ DNA <i>in vitro</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 80: 7284-7288, National Academy of Sciences (1983).
AT	111	

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
RA	AA1	4,673,640	06/16/1987	Backman, K.C.	435	68	04/30/1984
	AB1	4,743,546	05/10/1998	Backman et al.	435	109	02/13/1985
	AC1	4,959,317	09/25/1990	Sauer B.L.	435	172.3	04/29/1987
	AD1	5,227,288	07/13/1993	Blattner, F.R.	435	6	10/01/1990
	AE1	5,286,632	02/15/1994	Jones	435	91.2	01/09/1991
	AF1	5,354,668	10/11/1994	Auerbach, J.I.	435	91.1	10/15/1993
	AG1	5,434,066	07/18/1995	Bebbee, R.L., et al.	435	172.3	03/15/1994
	AH1	5,470,727	11/28/1995	Mascarenhas et al.	435	172.3	12/21/1993
	AI1	5,527,695	06/18/1996	Hodges et al.	435	172.3	01/29/1993
	AJ1	5,591,609	01/07/1997	Auerbach, J.I.	435	91.2	02/03/1995
	AK1	5,614,389	03/25/1997	Auerbach, J.I.	435	91.2	09/26/1995

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
RA	AL1	EP 0 160 571 A2	11/06/1985	Europe			Yes No
	AM1	EP 0 300 422	01/25/1989	Europe			Yes No
	AN1	WO 91/02801	03/07/1991	WIPO			Yes No
	AO1	WO 91/16427	10/31/1991	WIPO			Yes No
RA	AP1	WO 92/20791	11/26/1992	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

RA	AR	1	Abremski, K., and Gottesman, S., "Purification of the Bacteriophage λ xis Gene Product Required for λ Excisive Recombination," J. Biol. Chem. 257(16):9658-9662, American Society for Biochemistry and Molecular Biology, Inc. (1982).
	AS	1	Abremski, K., and Hoess, R., "Bacteriophage P1 Site-specific Recombination - Purification and Properties of the Cre Recombinase Protein," J. Biol. Chem. 259:1509-1514, American Society for Biochemistry and Molecular Biology, Inc. (1984).
	AT	1	Abremski, K., et al., "Bacteriophage P1 Cre-loxP Site-specific Recombination: Site-specific DNA Topoisomerase Activity of the Cre Recombination Protein," J. Biol. Chem. 261(1):391-396, American Society for Biochemistry and Molecular Biology, Inc. (1986).

EXAMINER <i>[Signature]</i>	DATE CONSIDERED 03/09/04
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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>h</i>	AA2	5,635,381	06/03/1997	Hooykaas et al.	435	172.3	01/20/1995
	AB2	5,650,308	07/22/1997	Baum	435	172.3	06/07/1995
	AC2	5,658,772	08/19/1997	Odell et al.	435	172.3	07/27/1994
	AD2	5,677,170	10/14/1997	Devine et al.	435	20.1	03/02/1994
	AE2	5,677,177	10/14/1997	Wahl et al.	435	325	06/07/1995
	AF2	5,710,248	01/20/1998	Grose, C.F.	530	327	07/29/1996
	AG2	5,723,765	03/03/1998	Oliver et al.	800	208	06/07/1995
	AH2	5,733,733	03/31/1998	Auerbach, J.I.	435	6	02/01/1996
	AI2	5,733,743	03/31/1998	Johnson et al.	435	320.1	06/10/1996
	AJ2	5,744,336	04/28/1998	Hodges et al.	435	172.3	03/08/1996
<i>h</i>	AK2	5,766,891	06/16/1998	Shuman, S.	435	91.41	12/19/1994

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
<i>h</i>	AL2	WO 93/15191	08/05/1993	WIPO			Yes No
	AM2	WO 93/19172	09/30/1993	WIPO			Yes No
	AN2	CA 2,141,412	02/17/1994	Canada			Yes No
	AO2	WO 94/09127	04/28/1994	WIPO			Yes No
<i>h</i>	AP2	WO 94/17176	08/04/1994	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>h</i>	AR	2	Abremski, K., et al., "Studies on the Properties of P1 Site-Specific Recombination: Evidence for Topologically Unlinked Products Following Recombination," Cell 32:1301-1311, Cell Press (1993).
	AS	2	Adams, D.E., et al., "Cre-lox Recombination in Escherichia coli Cells: Mechanistic Differences from the in Vitro Reaction," J. Mol. Biol. 226:661-673, Academic Press, Inc. (1992).
<i>h</i>	AT	2	Albert, H., et al., "Site-specific integration of DNA into wild-type and mutant lox sites placed in the plant genome," Plant J. 7:649-659 Oxford Bios Scientific Publishers And Blackwell Scientific Publications In Association With The Society For Experimental Biology (April 1995).

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0942.2850001

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
PS	AA3	5,776,449	07/07/1998	Baum et al.	424	93.2	09/20/1996
	AB3	5,830,707	11/03/1998	Bushman, F.D.	435	69.7	06/05/1995
	AC3	5,837,242	11/17/1998	Holliger et al.	424	136.1	05/14/1996
	AD3	5,843,772	12/01/1998	Devine, S.E., et al.	435	69.1	11/18/1994
	AE3	5,851,808	12/22/1998	Elledge et al.	435	172.3	02/28/1997
	AF3	5,858,657	01/12/1999	Winter et al.	435	6	06/07/1995
	AG3	5,871,907	02/16/1999	Winter et al.	435	6	03/31/1994
	AH3	5,874,259	02/23/1999	Szybalski, W.	435	91.1	11/21/1997
	AI3	5,888,732	03/30/1999	Hartley et al.	435	6	06/07/1996
	AJ3	5,916,804	06/29/1999	Bushman, F.D.	435	325	04/17/1998
MA	AK3	5,919,676	07/06/1999	Graham et al.	435	172.3	06/07/1995

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
PS	AL3	WO 95/00555	01/05/1995	WIPO			Yes No
	AM3	WO 97/05265	02/20/1997	WIPO			Yes No
	AN3	WO 97/09436	03/13/1997	WIPO			Yes No
	AO3	WO 97/25446	07/17/1997	WIPO			Yes No
PS	AP3	WO 97/32481	09/12/1997	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PS	AR	3	Andrews, B.J., et al., "The FLP Recombinase of the 2 μ Circle DNA of Yeast: Interaction with Its Target Sequences," Cell 40:795-803, Cell Press, Cambridge, MA (1985).
	AS	3	Andrews, B.J., et al., "Interaction of the FLP Recombinase of the <i>Saccharomyces cerevisiae</i> 2 μ Plasmid with Mutated Target Sequences," Mol. Cell. Biol. 6:2482-2489, American Society for Microbiology, Washington, D.C. (1986).
PS	AT	3	Anton, M., and Graham, F.L., "Site-Specific Recombination Mediated by an Adenovirus Vector Expressing the Cre Recombinase Protein: a Molecular Switch for Control of Gene Expression," J. Virol. 69:4600-4606, American Society for Microbiology, Washington, D.C. (August 1995).

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	APPLICANT Hartley et al.	
	FILING DATE January 30, 2002	GROUP 1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
ls	AA4	5,928,914	07/27/1999	Leboulch et al.	435	172.3	11/05/1996
	AB4	5,989,872	11/22/1999	Luo et al.	435	91.2	08/12/1997
	AC4	6,010,884	01/04/2000	Griffiths et al.	435	69.7	05/29/1996
	AD4	6,040,430	03/21/2000	Stewart	530	355	12/26/1995
	AE4	6,063,627	06/16/2000	McVey et al.	435	440	02/25/1998
	AF4	6,143,557 B1	11/07/2000	Hartley et al.	435	320.1	01/20/1999
	AG4	6,171,861 B1	01/09/2001	Hartley et al.	435	455	01/12/1998
	AH4	6,225,121 B1	05/01/2001	Savakis et al.	435	456	04/27/1998
	AI4	6,270,969 B1	08/07/2001	Hartley et al.	435	6	01/20/1999
	AJ4	6,277,608 B1	08/21/2001	Hartley et al.	435	91.4	04/22/1999
ls	AK4	2002/0007051 A1	01/17/2002	Cheo et al.	536	23.1	12/11/2000

FOREIGN PATENT DOCUMENTS

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ls	AL4	WO 98/10086	03/12/1998	WIPO			Yes No
	AM4	WO 98/53056	11/26/1998	WIPO			Yes X No
	AN4	WO 99/10488	03/04/1999	WIPO			Yes No
	AO4	WO 99/21977	05/06/1999	WIPO			Yes No
ls	AP4	WO 99/25851	05/27/1999	WIPO			Yes X No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

ls	AR	4	Araki, H., et al., "Site-specific Recombinase, R, Encoded by Yeast Plasmid pSR1," J. Mol. Biol. 225:25-37, Academic Press, Inc., New York, NY (1992).
	AS	4	Argos, P., et al., "The integrase family of site-specific recombinases: regional similarities and global diversity," EMBO J. 5(2):433-440, IRL Press Limited, Oxford (1986).
	AT	4	Astumian, J.H. et al., "Site-specific recombination between cloned attP and attB sites from the Haemophilus influenza bacteriophage HP1 propagated in recombination deficient Escherichia coli," J. Bacteriol. 171:1747-1750, American Society for Microbiology (1989).

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HA	AM5	EP 1 035 208	09/13/2000	Europe			Yes
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	AN						Yes
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	AO						Yes
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	AP						Yes
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Rs	AR	5	Atlung, T., et al., "A versatile method for integration of genes and gene fusions into the λ attachment site of <i>Escherichia coli</i> ," <i>Gene</i> 107:11-17, Elsevier (1991).
	AS	5	Ausubel, F.M., et al., "Maps of Plasmids pBR322 and pUC19," in <i>Current Protocols in Molecular Biology</i> , John Wiley & Sons, Inc. (April 1994).
	AT	5	Ausubel, F.M., et al., "Mutagenesis by the Polymerase Chain reaction," in: <i>Current Protocols in Molecular Biology</i> , John Wiley & Sons, Inc. pp. 8.5.1-8.5.9 (1991).

EXAMINER 	DATE CONSIDERED 03/09/04
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FORM PTO-1449

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	AN						Yes No
	AO						Yes No
	AP						Yes No

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✓	AR	6	Babineau, D. et al., "The FLP Protein of the 2-micron Plasmid of Yeast," J. Biol. Chem. 260:12313-12391, American Society for Biochemistry and Molecular Biology, Inc. (1985).
✓	AS	6	Balakrishnan, R., et al., "A gene cassette for adapting <i>Escherichia coli</i> strains as hosts for att-Int-mediated rearrangement and p_L expression vectors," Gene 138:101-104, Elsevier (January 1994).
✓	AT	6	Bayley, C.C., et al., "Exchange of gene activity in transgenic plants catalyzed by the Cre-lox site specific recombination system," Plant Mol. Biol. 18:353-361, Dordrecht Kluwer Academic (1992).

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PA	AR	2	Bernard, P., and Couturier, M., "Cell Killing by the F plasmid CcdB Protein Involves Poisoning of DNA-topoisomerase II Complexes," <i>J. Mol. Biol.</i> 226:735-745, Academic Press, Inc. (1992).
1	AS	2	Bernard, P., et al., "Positive Selection vectors using the F plasmid ccdB killer gene," <i>Gene</i> 148:71-74, Elsevier Science Publishers B.V. (October 1994).
PA	AT	2	Bethke, B., and Sauer, B., "Segmental genomic replacement by Cre-mediated recombination: genotoxic stress activation of the p53 promoter in single-copy transformants," <i>Nucl. Acids Res.</i> 25:2828-2834, Oxford University Press (July 1997).

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<i>ps</i> <i>RA</i>	AR AS AT	8 8 8	Betz, U.A.K., et al., "Bypass of lethality with mosaic mice generated by Cre-loxP-mediated recombination," Curr. Biol. 6:1307-1316, Current Biology Ltd. (October 1996). Bhandari, P. and Gowrishankar, J., "An Escherichia coli Host Strain Useful for Efficient Overproduction of Cloned Gene Products with NaCl as the Inducer," J. Bacteriol. 179:4403-4406, American Society for Microbiology (July 1997). Black, L.W., "In vitro packaging into phage T4 particles and specific recircularization of phage lambda DNAs," Gene 46:97-101, Elsevier (1986).

EXAMINER <i>Ravi D. Sharma</i>	DATE CONSIDERED 03/9/04
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	AP						Yes No

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AR	2	Bloch, C.A., et al., "Purification of <i>Escherichia coli</i> Chromosomal Segments without Cloning," <i>Biochem. Biophys. Res. Comm.</i> 223:104-111, Academic Press, Inc. (June 1996).
AS	2	Bochner, B. R., et al., "Positive Selection for Loss of Tetracycline Resistance," <i>J. Bacteriol.</i> 143:926-933, American Society for Microbiology (1980).
AT	2	Boyd, A. C., "Turbo cloning: a fast, efficient method for cloning PCR products and other blunt-ended DNA fragments into plasmids," <i>Nucl. Acids Res.</i> 21(4):817-820, Oxford University Press (1993).

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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
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RA	AR	10	Broach, J. R., et al., "Recombination within the Yeast Plasmid 2 μ Circle is Site-Specific," Cell 29:227-234, Cell Press (1982).
I	AS	10	Brunelli, J. P. and Pall, M. L., "A Series of Yeast/ <i>Escherichia coli</i> λ Expression Vectors Designed for Directional Cloning of cDNAs and cre/lox-Mediated Plasmid Excision," Yeast 9:1309-1318, John Wiley (1993).
JS	AT	10	Brunelli, J.P., and Pall, M.L., "Lambda/Plasmid Vector Construction by <i>In Vivo</i> cre/lox-Mediated Recombination," BioTechniques 16(6):1061-1064, Eaton Publishing Company (June 1994).

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AR	11	Bubeck, P., et al., "Rapid cloning by homologous recombination in vivo," Nucl. Acids Res. 21:3601-3602, Oxford University Press (1993).
AS	11	Buchholz, F., et al., "A simple assay to determine the functionality of Cre or FLP recombination targets in genomic manipulation constructs," Nucl. Acids Res. 24(15):3118-3119, Oxford University Press (August 1996).
AT	11	Buchholz, F., et al., "Different thermostabilities of FLP and Cre recombinases: implications for applied site-specific recombination," Nucl. Acids Res. 24(21):4256-4262, Oxford University Press (November 1996).

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AR	12	Bushman, W., et al., "Control of Directionality in Lambda Site Specific Recombination," <i>Science</i> 230:906-911, Association for the Advancement of Science (1985).	
AS	12	Campbell, A. M., "Chromosomal Insertion Sites for Phages and Plasmids," <i>J. Bacteriol.</i> 174(23):7495-7499, American Society for Microbiology (1992).	
AT	12	Chapin, S.J., et al., "Differential expression of alternatively spliced forms of MAP4: a repertoire of structurally different microtubule-binding domains," <i>Biochem.</i> 34:2289-2301, American Chemical Society, Washington D.C. (February 1995).	

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AR	13	Chatterjee, P.K., and Coren, J.S., "Isolating large nested deletions in bacterial and P1 artificial chromosomes by in vivo P1 packaging of products of Cre-catalyzed recombination between the endogenous and a transposed loxP site," Nucl. Acids Res. 25:2205-2212, Oxford University Press (June 1997).
AS	13	Cox, M.M., "The FLP protein of the yeast 2-μm plasmid: Expression of a eukaryotic genetic recombination system in Escherichia coli," Proc. Natl. Acad. Sci. USA 80:4223-4227, National Academy of Sciences of the USA (1983).
AT	13	Craig, N.L. and Nash, H.A., "The Mechanism of Phage λ Site-Specific Recombination: Site-Specific Breakage of DNA by Int Topoisomerase," Cell 35:795-801, Cell Press, Cambridge, MA (1983).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	14	Dale, E.C. and Ow, D.W., "Intra- and intermolecular site-specific recombination in plant cells mediated by bacteriophage P1 recombinase," <i>Gene</i> 91:79-85, Elsevier (1990).
AS	14	Dale, E.C. and Ow, D.W., "Gene transfer with subsequent removal of the selection gene from the host genome," <i>Proc. Natl. Acad. Sci. USA</i> 88:10558-10562, National Academy of Sciences of the USA, Washington, D.C. (1991).
AT	14	Dale, E.C., and Ow, D.W., "Mutations in the Cre/lox recombination site enhance the stability of recombination products: Applications for gene targeting in plants," <i>J. Cell. Biochem. 16(Suppl. F):206</i> , Abstract No. Y 108, Wiley-Liss, Inc. (1992).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	15	Dang, D.T. and Perrimon, N., "Use of a Yeast Site-Specific Recombinase to Generate Embryonic Mosaics in <i>Drosophila</i> ," <i>Develop. Genetics</i> 13:367-375, Wiley-Liss, Inc. (1992).	
AS	15	Davies, J., and Riechmann, L., "An antibody VH domain with a lox-Cre site integrated into its coding region: bacterial recombination within a single polypeptide chain," <i>FEBS Lett.</i> 377:92-96, Federation of European Biochemical Societies (December 1995).	
AT	15	Degryse, E., "In vivo intermolecular recombination in <i>Escherichia coli</i> : application to plasmid constructions," <i>Gene</i> 170:45-50, Elsevier (April 1996).	

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AR	16	Devine, S. E., and Boeke, J.D., "Efficient integration of artificial transposons into plasmid targets in vitro: a useful tool for DNA mapping, sequencing and genetic analysis," Nucl. Acids Res. 22(18):3765-3772, Oxford University Press (September 1994).
AS	16	Diederich, L., et al., "New Cloning Vectors for Integration into the λ Attachment Site attB of the <i>Escherichia coli</i> Chromosome," Plasmid 28:14-24, Academic Press (1992)
AT	16	Dymecki, S. M., "A modular set of F ₁ p, FRT and lacZ fusion vectors for manipulating genes by site-specific recombination," Gene 171:197-201, Elsevier (June 1996).

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	AN						Yes No
	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

RA	AR	17	Elledge, S. J., et al., "AYES: A multifunctional cDNA expression vector for the isolation of genes by complementation of yeast and <i>Escherichia coli</i> mutations," <i>Proc. Natl. Acad. Sci. USA</i> 88:1731-1735, National Academy of Sciences of the USA (1991).
I	AS	17	Feil, R., et al., "Regulation of Cre Recombinase Activity by Mutated Estrogen Receptor Ligand-Binding Domains," <i>Biochem. Biophys. Res. Comm.</i> 237:752-757, Academic Press, Inc. (August 1997).
AT	AT	17	Ferguson, J., et al., "Construction and characterization of three yeast- <i>Escherichia coli</i> shuttle vectors designed for rapid subcloning of yeast genes on small DNA fragments," <i>Gene</i> 16:191-197, Elsevier (1981).

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	18	Fiering, S., et al., "An "in-out" strategy using gene targeting and FLP recombinase for the functional dissection of complex DNA regulatory elements: Analysis of the β -globin locus control region," <i>Proc. Natl. Acad. Sci. USA</i> 90:8469-8473, National Academy of Sciences of the USA (1993).	
AS	18	Filutowicz, M., et al., "Purification of the <i>Escherichia coli</i> integration host factor (IHF) in one chromatographic step," <i>Gene</i> 147:149-150, Elsevier (September 1994).	
AT	18	Francia, M.V., and Lobo, J.M.G., "Gene Integration in the <i>Escherichia coli</i> Chromosome Mediated by Tn21 Integrase (Int21)," <i>J. Bacteriol.</i> 178:894-898, American Society for Microbiology (February 1996).	

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AR	19	Fukushige, S. and Sauer, B., "Genomic targeting with a positive-selection lox integration vector allows highly reproducible gene expression in mammalian cells," Proc. Natl. Acad. Sci. USA 89:7905-7909, National Academy of Sciences of the USA (1992).
AS	19	Gage, P.J., et al., "A Cell-Free Recombination System for Site-Specific Integration of Multigenic Shuttle Plasmids into Herpes Simplex Type 1 Genome," J. Virol. 66:5509-5515, American Society for Microbiology (1992).
AT	19	Geoffroy, F., et al., "A new phage display system to construct multicombinatorial libraries of very large antibody repertoires," Gene 151:109-113, Elsevier (December 1994).

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RA	AR	20	Glasgow, A.C., et al., "DNA-binding Properties of the Hin Recombinase," <i>J. Biol. Chem.</i> 264:10072-10082, American Society for Biochemistry and Molecular Biology, Inc. (1989).
	AS	20	Golic, K. G. and Lindquist, S., "The FLP Recombinase of Yeast Catalyzes Site-Specific Recombination in the Drosophila Genome," <i>Cell</i> 59:499-509, Cell Press (1989).
RA	AT	20	Götz, F., et al., "Escherichia coli 30S mutants lacking protein S20 are defective in translation initiation," <i>Biochim. Biophys. Acta</i> 1050:93-97, Elsevier Publishing Co. (1990).

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LA	AR	21	Green, R. and Noller, H.F., "Ribosomes and Translation," <i>Ann. Rev. Biochem.</i> 66:679-716, Annual Reviews, Inc. (July 1997).
I	AS	21	Gu, H., et al., "Deletion of a DNA Polymerase β Gene Segment in T Cells Using Cell Type-Specific Gene Targeting," <i>Science</i> 265:103-106, Association for the Advancement of Science (July 1994).
LA	AT	21	Guo, F., et al., "Asymmetric DNA bending in the Cre-loxP site-specific recombination synapse," <i>Proc. Natl. Acad. Sci. USA</i> 96:7143-7148, National Academy of Sciences of the USA (June 1999).

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PS	AR	22	Hall, R.M., and Collis, C.M., "Mobile gene cassettes and integrons: capture and spread of genes by site-specific recombination," <i>Mol. Microbiol.</i> 15:593-600, Blackwell Scientific Publications (February 1995).
	AS	22	Hardy, S., et al., "Construction of Adenovirus Vectors through Cre-lox Recombination," <i>J. Virol.</i> 71(3):1842-1849, American Society for Microbiology (March 1997).
PS	AT	22	Hasan, N., and Szybalski, W., "Control of cloned gene expression by promoter inversion in vivo: construction of improved vectors with a multiple cloning site and the <i>P_{tac}</i> promoter," <i>Gene</i> 56:145-151, Elsevier (1987).

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PS	AR	23	Hasan, N., et al., "Escherichia coli genome targeting, I. Cre-lox-mediated in vitro generation of ori ⁺ plasmids and their in vivo chromosomal integration and retrieval," <i>Gene</i> 150:51-56, Elsevier (December 1994).
I	AS	23	Hashimoto-Gotoh, T., et al., "Improved vector, pHS664, for direct streptomycin-resistance selection: cDNA cloning with G:C-tailing procedure and subcloning of double-digested DNA fragments," <i>Gene</i> 41:125-128, Elsevier (1986).
PA	AT	23	Hoekstra, M. F., et al., "Shuttle Mutagenesis: Bacterial Transposons for Genetic Manipulations in Yeast," <i>Meth. Enzymol.</i> 194:329-342, Academic Press Inc. (1991).

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	24	Hoess, R.H., et al., "P1 site-specific recombination: Nucleotide sequence of the recombining sites," <i>Proc. Natl. Acad. Sci. USA</i> 79:3398-3402, National Academy of Sciences of the USA (1982).
AS	24	Hoess, R.H., et al., "Mechanism of Strand Cleavage and Exchange in the Cre-lox Site-specific Recombination System," <i>J. Mol. Biol.</i> 181:351-362, Academic Press, Inc. (1985).
AT	24	Hoess, R., et al., "Formation of small circular DNA molecules via an in vitro site-specific recombination system," <i>Gene</i> 40:325-329, Elsevier (1985).

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FORM PTO-1449
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
 0942.285000I

APPLICATION NO.
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

ls	AR	25	Hoess, R. H., et al., "The role of the loxP spacer region in P1 site-specific recombination," Nucl. Acids Res. 14(5):2287-2300, Oxford University Press (1986).
I	AS	25	Hoess, R. H., and Abremski, K., "The Cre-lox Recombination System," in: Nucleic Acids and Molecular Biology, Vol. 4, ed. by Eckstein, F. and D. M. J. Lilley, Springer-Verlag, Berlin, pp 99-109 (1990).
ls	AT	25	Holt, C.L., and May, G.S., "A novel phage λ replacement Cre-lox vector that has automatic subcloning capabilities," Gene 133:95-97, Elsevier (1993).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	26	Hoogenboom, H.R., et al., "Multi-subunit proteins on the surface of filamentous phage: methodologies for displaying antibody (Fab) heavy and light chains," Nucl. Acids Res. 19:4133-4137, Oxford University Press (1991).
	AS	26	Jaffé, A., et al., "Effects of the ccd Function of the F Plasmid on Bacterial Growth," J. Bacteriol. 163:841-849, American Society for Microbiology (1985).
	AT	26	Jayaram, M., "The Int family of site-specific recombinases: Some thoughts on a general reaction mechanism," J. Genet. 67:29-36, Indian Academy of Sciences (1988).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

le	AR	27	Jeong, J.-H., et al., "Cloning and nucleotide sequencing of the genes, <i>rplU</i> and <i>rpmA</i> , for ribosomal proteins L21 and L27 of <i>Escherichia coli</i> ," <i>J. DNA sequencing and Mapping</i> 4:59-67, Harwood Academic Publishers GmbH (1993).
I	AS	27	Kanaar, R., et al., "Gin-Mediated Recombination of Catenated and Knotted DNA Substrates: Implications for the Mechanism of Interaction Between <i>Cis</i> -Acting Sites," <i>Cell</i> 58:147-159, Cell Press (1989).
le	AT	27	Katz, L., et al., "Site-specific Recombination in <i>Escherichia coli</i> between the att sites of plasmid pSE211 from <i>Saccharopolyspora erythraea</i> ," <i>Mol. Gen. Genet.</i> 227:155-159, Springer-Verlag (1991).

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AR	28	Kilby, N.J., et al., "Site-specific recombinases: tools for genome engineering," <i>Trends Genet.</i> 9:413-421, Elsevier Science Publishers Ltd. (1993).
AS	28	Kim, S., et al., "Lambda Int Protein Bridges Between Higher Complexes at Two Distant Chromosomal Loci attL and attR," <i>Science</i> 256:198-203, Association for the Advancement of Science (1992).
AT	28	Kitts, P.A. and Nash, H.A., "Bacteriophage Lambda Site-Specific Recombination Proceeds with a Defined Order of Strand Exchanges," <i>J. Mol. Biol.</i> 204:95-107, Academic Press, Inc. (1988).

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AR	29	Kozak, M., "An analysis of 5'-noncoding sequences from 699 vertebrate messenger RNAs," Nucl. Acids res. 15:8125-8132, Oxford University Press (1987).	
AS	29	Kozak, M., "Structural features in eukaryotic mRNAs that modulate the initiation of translation," J. Biol. Chem 266:19867-19870, American Society for Biochemistry and Molecular Biology, Inc. (1991).	
AT	29	Krafte, D.S., et al., "Stable Expression and Functional Characterization of a Human Cardiac Na ⁺ Channel Gene in Mammalian Cells," J. Mol. Cell Cardiol. 27:823-830, Academic Press Limited (February 1995).	

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

h	AR	30	Kühn, R., et al., "Inducible Gene Targeting in Mice," <i>Science</i> 269:1427-1429, Association for the Advancement of Science (September 1995).				
	AS	30	Lafontaine, D., and Tollervey, D., "One-step PCR mediated strategy for the construction of conditionally expressed and epitope tagged yeast proteins," <i>Nucl. Acids Res.</i> 24:2469-2472, Oxford University Press (September 1996).				
e	AT	30	Lake, J.A., "Evolving Ribosome Structure: Domains in Archaeobacteria, Eubacteria, Eocytes and Eukaryotes," <i>Ann. Rev. Biochem.</i> 54:507-530, Annual Reviews, Inc. (1985).				

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	31	Lakso, M., et al., "Targeted oncogene activation by site-specific recombination in transgenic mice," <i>Proc. Natl. Acad. Sci. USA</i> 89:6232-6236, National Academy of Sciences of the USA (1992).
AS	31	Lander, E.S., "The New Genomics: Global Views of Biology," <i>Science</i> 274:536-539, Association for the Advancement of Science (October 1996).
AT	31	Landy, A., "Dynamic, Structural, and Regulatory Aspects of λ Site-Specific Recombination," <i>Annu. Rev. Biochem.</i> 58:913-949, American Chemical Society (1989).

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FORM PTO-1449
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
 0942.2850001

APPLICATION NO.
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	32	Landy, A., "Mechanistic and structural complexity in the site-specific recombination pathways of Int and FLP," Curr. Op. Genet. Develop. 3:699-707, Current Biology Ltd. (1993).
AS	32	Lebreton, B., et al., "Mutations That Improve the Binding of Yeast FLP Recombinase to Its Substrate," Genet. 118:393-400, Genetics Society of America (1988).
AT	32	Lee, E.C., et al., "Genetic Analysis of Escherichia coli Integration Host Factor Interactions with Its Bacteriophage λ H' Recognition Site," J. Bacteriol. 173:609-617, American Society for Microbiology (1991).

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
bx	AR	33	Lee, G., and Saito, I., "Role of nucleotide sequences of loxP spacer region in Cre-mediated recombination," Gene 216:55-65, Elsevier Science B.V. (August 1998).
/	AS	33	Leong, J.M., et al., "Generation of single base-pair deletions, insertions, and substitutions by a site-specific recombination system," Proc. Natl. Acad. Sci. USA 82:6990-6994, National Academy of Sciences of the USA (1985).
bs	AT	33	Liu, Q., et al., "The univector plasmid-fusion system, a method for rapid construction o recombinant DNA without restriction enzymes," Curr. Biol. 8:1300-1309, Current Biology Ltd. (December 1998).

EXAMINER	DATE CONSIDERED 03/09/04
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
R	AR	34	Lorbach, E. et al., "Site-specific Recombination in Human Cells Catalyzed by Phage λ Integrase Mutants," <i>J. Mol. Biol.</i> 296:1175-1181, Academic Press, Inc. (March 2000).
1	AS	34	Luckow, V. A., et al., "Efficient Generation of Infectious Recombinant Baculoviruses by Site-Specific Transposon-Mediated Insertion of Foreign Genes into a Baculovirus Genome Propagated in <i>Escherichia coli</i> ," <i>J. Virol.</i> 67(8):4566-4579, American Society for Microbiology (1993).
G	AT	34	Mackie, G.A., "Nucleotide Sequence of the Gene for Ribosomal Protein S20 and Its Flanking Regions," <i>J. Biol. Chem.</i> 256:8177-8182, American Society for Biochemistry and Molecular Biology, Inc. (1981).

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

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	35	Maeser, S., and Kahmann, R., "The Gin recombinase of phage Mu can catalyze site-specific recombination in plant protoplasts," <i>Mol. Gen. Genet.</i> 230:170-176, Springer-Verlag (1991).
	AS	35	Mahillon, J., et al., "IS231 and other <i>Bacillus thuringiensis</i> transposable elements: a review," <i>Genetica</i> 93:13-26, Dordrecht Kluwer Academic Publishers (November 1994).
	AT	35	Matsuzaki, H., et al., "Chromosome Engineering in <i>Saccharomyces cerevisiae</i> by Using a Site-Specific Recombination System of a Yeast Plasmid," <i>J. Bacteriol.</i> 172:610-618, American Society for Microbiology (1990).

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AR	36	McCarthy, J.E. and Brimacombe, R., "Prokaryotic translation: the interactive pathway leading to initiation," <i>Trends Genet.</i> 10:402-407, Elsevier Science Publishers Ltd. (November 1994).	
AS	36	Medberry, S.L., et al., "Intra-chromosomal rearrangements generated by Cre-lox site-specific recombination," <i>Nucl. Acids Res.</i> 23:485-490, Oxford University Press (February 1995).	
AT	36	Miki, T. et al., "Control of Segregation of Chromosomal DNA by Sex Factor F in <i>Escherichia coli</i> . Mutants of DNA Gyrase Subunit A Suppress letD (ccdB) Product Growth Inhibition," <i>J. Mol. Biol.</i> 225:39-52, Academic Press, Inc. (1992).	

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AS	AR	37	Mizuuchi, K., and Mizuuchi, K., "Integrative Recombination of Bacteriophage λ : In Vitro Study of the Intermolecular Reaction," <i>Cold Spring Harb. Symp. Quant. Biol.</i> 43:1111-1114, Cold Spring Harbor Laboratory Press (1979).
I	AS	37	Mizuuchi, M. and Mizuuchi, K., "The extent of DNA sequence required for a functional bacterial attachment site of phage lambda," <i>Nucl. Acids Res.</i> 13:1193-1208, Oxford University Press (1985).
CS	AT	37	Mozo, T. and Hooykaas, P. J. J., "Design of a novel system for the construction of vectors for Agrobacterium-mediated plant transformation," <i>Mol. Gen. Genet</i> 236:1-7, Springer-Verlag (1992).

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AS	38	Nagaraja, R. and Weisberg, R. A., "Specificity Determinants in the Attachment Sites of Bacteriophages HK022 and λ," J. Bacteriol. 172:6540-6550, American Society for Microbiology (1990).
AT	38	Nash, H.A., "Integrative Recombination of Bacteriophage Lambda DNA In Vitro," Proc. Natl. Acad. Sci. USA 72:1072-1076, National Academy of Sciences of the USA (1975).

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.2850001	APPLICATION NO. 10/058,299
	APPLICANT Hartley et al.	
	FILING DATE January 30, 2002	GROUP 1636

U.S. PATENT DOCUMENTS							
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<i>AR</i>	AR	39	Nash, H.A., and Robertson, C.A., "Purification and properties of the <i>Escherichia coli</i> protein factor required for lambda integrative recombination," <i>J. Biol. Chem.</i> 256:9246-9253, American Society for Biochemistry and Molecular Biology, Inc. (1981).
<i>I</i>	AS	39	Nash, H. A., "Purification and Properties of the Bacteriophage Lambda Int Protein," <i>Meth. Enzymol.</i> 100:210-216, Academic Press Inc. (1983).
<i>AT</i>	AT	39	Nash, H. A., et al., "Role of homology in site-specific recombination of bacteriophage λ : Evidence against joining of cohesive ends," <i>Proc. Natl. Acad. Sci. USA</i> 84:4049-4053, National Academy of Sciences of the USA (1987).

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.2850001	APPLICATION NO. 10/058,291
	APPLICANT Hartley et al.	
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	40	Nash, H. and C.A. Robertson, "Heteroduplex substrates for bacteriophage lambda site-specific recombination: cleavage and strand transfer products," <i>EMBO J.</i> 8:3523-3533, IRL Press Limited (1989).
AS	40	Nash, H.A., "Bending and supercoiling of DNA at the attachment site of bacteriophage λ ," <i>Trends Biochem. Sci</i> 15:222-227, International Union of Biochemistry and Elsevier Trends Journal, Cambridge, England (1990).
AT	40	Nomura, M., et al., "Regulation of the Synthesis of Ribosomes and Ribosomal Components," <i>Ann. Rev. Biochem.</i> 53:75-117, Annual Reviews, Inc., Palo Alto, CA (1984).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	41	Numrych, T. E., et al., "A comparison of the effects of single-base and triple-base changes in the integrase arm-type binding sites on the site-specific recombination of bacteriophage lambda," <i>Nucl. Acids Res.</i> 18:3953-3959, Oxford University Press, Oxford, England (1990).
AS	41	Numrych, T.E., et al., "Characterization of the bacteriophage lambda excisionase (Xis) protein: the C-terminus is required for Xis-integrase cooperativity but not for DNA binding," <i>EMBO J.</i> 11(10):3797-3806, IRL Press Limited, Oxford, England (1992).
AT	41	Nunes-Duby, S.E., et al., "Half-att Site Substrates Reveal the Homology Independence and Minimal Protein Requirements for Productive Synapsis in λ Excisive Recombination," <i>Cell</i> 59:197-206, Cell Press (1989).

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.285000I	APPLICATION NO. 10/058,291
	APPLICANT Hartley et al.	
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
ps	AR	42	Nunes-Duby, et al., "Similarities and differences among 105 members of the Int family of site-specific recombinases," Nucl. Acids Res. 26:391-406, Oxford University Press (January 1998).				
I	AS	42	Oberto, J., et al., "A segment of the phage HK022 chromosome is a mosaic of other lambdoid chromosomes," Nucl. Acids Res. 22(3):354-356, Oxford University Press (February 1994).				
cs	AT	42	Oliner, J.D., et al., "In vivo cloning of PCR products in E. coli," Nucl. Acids Res. 21:5192-5197, Oxford University Press (1993).				

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
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>43</u>	Orban, P. C., et al., "Tissue- and site-specific DNA recombination in transgenic mice," <i>Proc. Natl. Acad. Sci. USA</i> 89:6861-6865, National Academy of Sciences of the USA (1992).
	AS	<u>43</u>	Osborne, B.I., et al., "A system for insertional mutagenesis and chromosomal rearrangement using the Ds transposon and Cre-lox," <i>Plant J.</i> 7:687-701, Oxford Bios Scientific Publishers And Blackwell Scientific Publications In Association With The Society For Experimental Biology (April 1995).
	AT	<u>43</u>	Padgett, K. A. and Sorge, J. A., "Creating seamless junctions independent of restriction sites in PCR cloning," <i>Gene</i> 168:31-35, Elsevier (February 1996).

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	44	Palazzolo, M. J., et al., "Phage lambda cDNA cloning vectors for subtractive hybridization, fusion-protein synthesis and Cre-loxP automatic plasmid subcloning," <i>Gene</i> 88:25-36, Elsevier (1990).
	AS	44	Pan, G., et al., "Ligation of Synthetic Activated DNA Substrates by Site-specific Recombinases and Topoisomerase I," <i>J. Biol. Chem.</i> 268(5):3683-3689, American Society for Biochemistry and Molecular Biology, Inc., Baltimore, MD (1993).
	AT	44	Parks, R.J., and Graham, F.L., "A Helper-Dependent System for Adenovirus Vector Production Helps Define a Lower Limit for Efficient DNA Packaging," <i>J. Virol.</i> 71(4):3293-3298, American Society for Microbiology (April 1997).

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	45	Peakman, T. C., et al., "Highly efficient generation of recombinant baculoviruses by enzymatically mediated site-specific <i>in vitro</i> recombination," <i>Nucl. Acids Res.</i> 20:495-500, Oxford University Press (1992).
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	AT	45	Pichel, J. G., et al., "Timing of SV40 oncogene activation by site-specific recombination determines subsequent tumor progression during murine lens development," <i>Gene</i> 8:3333-3342, Elsevier (1993).

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FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0942.285000I	APPLICATION NO. 10/058,291
	APPLICANT Hartley et al.	
	FILING DATE January 30, 2002	GROUP 1636

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	AN						Yes No
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PM	AR	46	Pierce, J. C., et al., "A positive selection vector for cloning high molecular weight DNA by the bacteriophage P1 system: Improved cloning efficacy," Proc. Natl. Acad. Sci. USA 89:2056-2060, National Academy of Sciences of the USA (1992).
I	AS	46	Podhajska, A. J., et al., "Control of cloned gene expression by promoter inversion in vivo: construction of the heat-pulse-activated att-nutL-p-att-N module," Gene 40:163-168, Elsevier (1985).
AS	AT	46	Pósfai, G., et al., "In vivo excision and amplification of large segments of the Escherichia coli genome," Nucl. Acids Res. 22(12):2392-2398, Oxford University Press (June 1994).

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

Pr	AR	47	Prasad, P. V., et al., "Substrate Recognition by the 2 μ m Circle Site-Specific Recombinase: Effect of Mutations within the Symmetry Elements of the Minimal Substrate," <i>Mol. Cell. Biol.</i> 6:4329-4334, American Society for Microbiology (1986).
I	AS	47	Qian, X., et al., "Reactions between Half- and Full-FLP Recombination Target Sites: A Model System for Analyzing Early Steps in FLP Protein-Mediated Site-Specific Recombination," <i>J. Biol. Chem</i> 267(11):7794-7805, American Society for Biochemistry and Molecular Biology, Inc. (1992).
R	AT	47	Reed, R.R., "Transposon-Mediated Site-Specific Recombination: A Defined in Vitro System," <i>Cell</i> 25:713-719, Cell Press (1981).

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	AN						Yes No
	AO						Yes No
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2s	AR	48	Reed, R.R. and N.D. Grindley, "Transposon-Mediated Site-Specific Recombination in Vitro: DNA Cleavage and Protein-DNA Linkage at the Recombination Site," Cell. 25:721-728, Cell Press (1981).				
1	AS	48	Richet, E., et al., "The Interaction of Recombination Proteins with Supercoiled DNA: Defining the Role of Supercoiling in Lambda Integrative Recombination," Cell 46:1011-1021, Cell Press (1986).				
ll	AT	48	Richet, E., et al., "Synapsis of Attachment Sites during Lambda Integrative Recombination Involves Capture of a Naked DNA by a Protein-DNA Complex," Cell 52:9-17, Cell Press (1988).				

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	AN						Yes No
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AR	49	Sadowski, P., "Site-Specific Recombinases: Changing Partners and Doing the Twist," J. Bacteriol. 165(2):341-347, American Society for Microbiology (1986).
AS	49	Sadowski, P.D., "The F1p recombinase of the 2-microns plasmid of Saccharomyces cerevisiae," Prog. Nucl. Acid Res. Mol. Biol. 51:53-91, Academic Press (July 1995).
AT	49	Sauer, B., et al., "Site-specific insertion of DNA into a pseudorabies virus vector," Proc. Natl. Acad. Sci. USA 84:9108-9112, National Academy of Sciences of the USA (1987).

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>m</i>	AR	50	Sauer, B., "Functional Expression of the cre-lox Site-Specific Recombination System in the Yeast <i>Saccharomyces cerevisiae</i> ," <i>Mol. Cell. Biol.</i> 7:2087-2096, American Society for Microbiology (1987).
<i> </i>	AS	50	Sauer, B. and Henderson, N., "The cyclization of linear DNA in <i>Escherichia coli</i> by site-specific recombination," <i>Gene</i> 70:331-341, Elsevier (1988).
<i>ls</i>	AT	50	Sauer, B. and Henderson, N., "Cre-stimulated recombination at loxP-containing DNA sequences placed into the mammalian genome," <i>Nucl. Acids Res.</i> 17:147-161, Oxford University Press (1989).

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

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	AR	51	Sauer, B., "Manipulation of Transgenes by Site-Specific Recombination: Use of Cre Recombinase," <i>Meth. Enzymol.</i> 225:890-900, Academic Press Inc. (1993).
	AS	51	Sauer, B., "Site-specific recombination: developments and applications," <i>Curr. Op. Biotechnol.</i> 5:521-527, Current Biology, Ltd. (October 1994).
	AT	51	Sauer, B., "Multiplex Cre/lox recombination permits selective site-specific DNA targeting to both a natural and an engineered site in the yeast genome," <i>Nucl. Acids Res.</i> 24(23):4608-4613, Oxford University Press (December 1996).

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	52	Sauer, B., "Inducible Gene Targeting in Mice Using the Cre/lox System," <i>Methods</i> 14:381-392, Academic Press, Inc. (April 1998).
AS	52	Schindelbauer, D., and Cooke, H.J., "Efficient combination of large DNA in vitro: in gel site specific recombination (IGSSR) of PAC fragments containing α satellite DNA and the human HPRT gene locus," <i>Nucl. Acids Res.</i> 25(11):2241-2243, Oxford University Press (June 1997).
AT	52	Schlake, T., and Bode, J., "Use of Mutated FLP Recognition Target (FRT) Sites for the Exchange of Expression Cassettes at Defined Chromosomal Loci," <i>Biochem.</i> 33:12746-12751, American Chemical Society (November 1994).

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000IAPPLICATION NO.
10/058,291APPLICANT
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January 30, 2002GROUP
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PA	AR	53	Segall, A. M. and Nash, H. A., "Synaptic intermediates in bacteriophage lambda site-specific recombination: integrase can align pairs of attachment sites," <i>EMBO J.</i> 12:4567-4576, IRL Press Limited (1993).
I	AS	53	Segall, A.M., and Nash, H.A., "Architectural flexibility in lambda site-specific recombination: three alternate conformations channel the attL site into three distinct pathways," <i>Genes to Cells</i> 1:453-463, Blackwell Science Ltd. (May 1996).
PA	AT	53	Senecoff, J.F., et al., "DNA Recognition by the FLP Recombinase of the Yeast 2 μ Plasmid - A Mutational Analysis of the FLP Binding Site," <i>J. Mol. Biol.</i> 201:405-421, Academic Press, Inc., New York, NY (1988).

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	AL						Yes No
	AM						Yes No
	AN						Yes No
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	AR	54	Sheffield, P. et al., "Overcoming Expression and Purification Problems of RhoGDI Using a Family of "Parallel" Expression Vectors," <i>Protein Expr. Purific.</i> 15:34-39, Academic Press, New York, NY (February 1999).				
	AS	54	Shuman, S., "Recombination mediated by vaccinia virus DNA topoisomerase I in <i>Escherichia coli</i> is sequence specific," <i>Proc. Natl. Acad. Sci. USA</i> 88:10104-10108, National Academy of Sciences of the USA, Washington, D.C. (1991).				
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AR	55	Sizemore, C., et al., "Quantitative analysis of Tn10 Tet repressor binding to a complete set of tet operator mutants," Nucl. Acids Res. 18(10):2875-2880, Oxford University Press (1990).
AS	55	Smith, A. J. H., et al., "A site-directed chromosomal translocation induced in embryonic stem cells by Cre-loxP recombination," Nat. Gen. 9:376-385, Nature Publishing Co. (April 1995).
AT	55	Snaith, M.R., et al., "Multiple cloning sites carrying loxP and FRT recognition sites for the Cre and Flp site-specific recombinases," Gene 166:173-174, Elsevier (December 1995).
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
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AR	56	Spengler, S.J., et al., "The Stereostructure of Knots and Catenanes Produced by Phage λ Integrative Recombination: Implications for Mechanism and DNA Structure," Cell 42:325-334, Cell Press (1985).
AS	56	Sternberg, N., et al., "Site-specific Recombination and Its Role in the Life Cycle of Bacteriophage P1," Cold Spring Harbor Symp. Quant. Biol. 45:297-309, Cold Spring Harbor Laboratory Press (1981).
AT	56	Sternberg, N., et al., "Bacteriophage P1 cre Gene and its Regulatory Region," J. Mol. Biol. 187:197-212, Academic Press, Inc. (1986).

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	57	Sternberg, N., "Bacteriophage P1 cloning system for the isolation, amplification, and recovery of DNA fragments as large as 100 kilobase pairs," <i>Proc. Natl. Acad. Sci. USA</i> 87:103-107, National Academy of Sciences of the USA (1990).				
	AS	57	Storck, T., et al., "Rapid construction in yeast of complex targeting vectors for gene manipulation in the mouse," <i>Nucl. Acids Res.</i> 24:4594-4596, Oxford University Press (November 1996).				
	AT	57	Stratagene catalog, "Gene Characterization Kits," pp. 39, Stratagene (1988).				

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


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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>58</u>	Strathmann, M., et al., "Transposon-facilitated DNA sequencing," <i>Proc. Natl. Acad. Sci. USA</i> 88:1247-1250, National Academy of Sciences of the USA (1991).
	AS	<u>58</u>	Thompson, J. F., et al., "Mutations in an Integration Host Factor-Binding Site: Effect on Lambda Site-Specific Recombination and Regulatory Implications," <i>J. Bacteriol.</i> 168:1343-1351, American Society for Microbiology (1986).
	AT	<u>58</u>	Thompson, J.F., et al., "Helical-repeat dependence of integrative recombination of bacteriophage λ : Role of the P1 and H1 protein binding sites," <i>Proc. Natl. Acad. Sci. USA</i> 85:6323-6327, National Academy of Sciences of the USA (1988).

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.285000I	APPLICATION NO. 10/058,291
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	AL						Yes No
	AM						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	59	Thorpe, H.M., and Smith, M.C.M., "In vitro site-specific integration of bacteriophage DNA catalyzed by a recombinase of the resolvase/invertase family," <i>Proc. Natl. Acad. Sci. USA</i> 95:5505-5510, National Academy of Sciences of the USA (May 1998).
AS	59	Tsurushita, N., et al., "Phage display vectors for in vivo recombination of immunoglobulin heavy and light chain genes to make large combinatorial libraries," <i>Gene</i> 172:59-63, Elsevier (June 1996).
AT	59	Vanin, E.F., et al., "Development of High-Titer Retroviral Producer Cell Lines by Using Cre-Mediated Recombination," <i>J. Virol.</i> 71:7820-7826, American Society for Microbiology (October 1997).

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FOREIGN PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>60</u>	Venkatesh, T.V., and Redding, C.M., "Ribosomal Protein S1 and NusA Protein Complexed to Recombination Protein β of Phage λ ," <i>J. Bacteriol.</i> 175:1844-1846, American Society for Microbiology (1993).
	AS	<u>60</u>	Wang, G., et al., "pDUAL: A transposon-based cosmid cloning vector for generating nested deletions and DNA sequencing templates <i>in vivo</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 90:7874-7878, National Academy of Sciences of the USA (1993).
	AT	<u>60</u>	Wasserman, S.A., et al., "The helical repeat of double-stranded DNA varies as a function of catenation and supercoiling," <i>Nature</i> 334:448-450, Macmillan Publishers Ltd. (1988).

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FORM PTO-1449
INFORMATION DISCLOSURE STATEMENT

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 0942.2850001

APPLICATION NO.
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APPLICANT
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U.S. PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
	AN						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	61	Waterhouse, P., et al., "Combinatorial infection and in vivo recombination: a strategy for making large phage antibody repertoires," Nucl. Acids Res. 21(9):2265-2266, Oxford University Press (1993).
AS	61	Wierzbicki, A., et al., "A Mutational Analysis of the Bacteriophage P1 Recombinase Cre," J. Mol. Biol. 195:785-794, Academic Press, Inc. (1987).
AT	61	Weisberg, R. A., and Landy, A., "Site-specific Recombination in Phage Lambda," in: Lambda II, Hendrix, R. W. et al., eds., Cold Spring Harbor Laboratory Press, Cold Spring Harbor, N. Y., pp. 211-250 (1983).

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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PA	AR	62	Wild, J., et al., "A broad-host-range in vivo pop-out and amplification system for generating large quantities of 50- to 100-kb genomic fragments for direct DNA sequencing," Gene 179:181-188, Elsevier (November 1996).
I	AS	62	Wild, J., et al., "Targeting and retrofitting pre-existing libraries of transposon insertions with FRT and oriV elements for in-vivo generation of large quantities of any genomic fragment," Gene 223:55-66, Elsevier (November 1998).
As	AT	62	Winoto, A., et al., "Directional Control of Site-specific Recombination by Bacteriophage λ ," J. Mol. Biol. 192:677-680, Academic Press, Inc. (1986).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PA	AR	63	Wittman, H.G., "Components of Bacterial Ribosomes," Ann. Rev. Biochem. 51:155-183, Annual Reviews, Inc. (1982).
I	AS	63	Wittmann, H.G., "Architecture of Prokaryotic Ribosomes," Ann. Rev. Biochem. 52:35-65, Annual Reviews, Inc. (1983).
PA	AT	63	Yang, W., and Mizuuchi, K., "Site-specific recombination in plane view," Structure 5:1401-1406, Current Biology (November 1997).

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	64	Yanisch-Perron, C., et al., "Improved M13 phage cloning vectors and host strains: nucleotide sequences of the M13mp18 and pUC19 vectors," <i>Gene</i> 33:103-119, Elsevier (1985).
AS	64	Yoon, Y.G., et al., "Cre/loxP-mediated in vivo excision of large segments from yeast genome and their amplification based on the 2 μ m plasmid-derived system," <i>Gene</i> 223:67-76, Elsevier (November 1998).
AT	64	York, D., et al., "Simple and efficient generation in vitro of nested deletions and inversions: Tn5 intramolecular transposition," <i>Nucl. Acids Res.</i> 26:1927-1933, Oxford University Press (April 1998).

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PA	AR	65	Zahra, D.G., et al., "Selective in-vivo recombination to increase antibody library size - an improved phage display vector system," <i>Gene</i> 227:49-54, Elsevier Science Publishers B.V. (February 1999).
I	AS	55	Zhang, Y. et al., "A new logic for DNA engineering using recombination in <i>Escherichia coli</i> ," <i>Nat. Genet.</i> 20:123-128, Nature Publishing Co. (October 1998)
CA	AT	65	Zhu, et al., "Homology requirements for ligation and strand exchange by the FLP recombinase," <i>J. Biol. Chem.</i> 270:11646-11653, American Society for Biochemistry and Molecular Biology, Inc. (May 1995).

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	AP						Yes No

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PA	AR	66	Dialog File 351 (Derwent World Patents Index), unverified English language abstract for WIPO/PCT Publication No. WO 98/53056 (Document No. AM4); WPI Accession No. 1999-000502/199901.
I	AS	66	Dialog File 351 (Derwent World Patents Index), unverified English language abstract for WIPO/PCT Publication No. WO 99/25851 (Document No. AP4) WPI Accession No. 1999-347485/199929.
CA	AT	66	International Search Report for International Application No. PCT/US98/22589, mailed October 26, 1998.

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	AN						Yes No
	AO						Yes No
	AP						Yes No

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<i>AR</i>	AR	<u>67</u>	Pending U.S. Non-Provisional Patent Application No. 09/177,387, filed October 23, 1998.
<i>AS</i>	AS	<u>67</u>	Pending U.S. Non-Provisional Patent Application No. 09/432,085, filed November 02, 1999.
<i>AT</i>	AT	<u>67</u>	Pending U.S. Non-Provisional Patent Application No. 09/438,358, filed November 12, 1999.

EXAMINER <i>[Signature]</i>	DATE CONSIDERED 03/16/04
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FORM PTO-1449
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
 0942.285000I

APPLICATION NO.
 10/058,291

APPLICANT
 Hartley et al.

FILING DATE
 January 30, 2002

GROUP
 1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
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	AC						
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	AI						
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	68	Pending U.S. Non-Provisional Patent Application No. 09/498,074, filed February 4, 2000.
AS	68	Pending U.S. Non-Provisional Patent Application No. 09/517,466, filed March 2, 2000.
AT	68	Pending U.S. Non-Provisional Patent Application No. 09/518,188, filed March 2, 2000.

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	AR	69	Pending U.S. Non-Provisional Patent Application No. 09/695,065, filed October 25, 2000.
I	AS	69	Pending U.S. Non-Provisional Patent Application No. 09/732,914, filed December 11, 2000.
CL	AT	69	CLONTECH, "Creator™ Gene Cloning & Expression System," CLONTECHniques 15:7-11, (April 2000).

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03/10/04

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.285000I	APPLICATION NO. 10/058,291
	APPLICANT Hartley et al.	
	FILING DATE January 30, 2002	GROUP 1636

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	70	CLONTECH, "New Creator" -Compatible Expression Systems," CLONTECHniques 15:2 pages, CLONTECH, (October 2000).	
AS	70	CLONTECH, "Creator" Acceptor Vector Construction Kit," CLONTECHniques 16:2 pages, CLONTECH, (October 2001).	
AT	70	CLONTECH, "Creator" pDNR-Dual Cloning Kit," CLONTECHniques 16:3 pages, CLONTECH, (October 2001).	
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DATE CONSIDERED 03/10/01			

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.2850001	APPLICATION NO. 10/058,291
	APPLICANT Hartley et al.	
	FILING DATE January 30, 2002	GROUP 1636

U.S. PATENT DOCUMENTS



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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	71	CLONTECH, "Creator" SMART™ Library Construction Kit," CLONTECHniques 16:2 pages, CLONTECH, (October 2001).
1	AS	71	CLONTECH, "Creator": The Universal Platform for Analysis of Gene Function," Powerpoint Presentation, pp. 1-9, CLONTECH, (July 24, 2001), available at http://www.clontech.com/products/families/creator/popups/slpage1.shtml .
	AT	71	CLONTECH, "New Additions to the Creator™ Platform," CLONTECHniques 16:1-4, CLONTECH, (January 2001).

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